

PTO-SB-08A (08-00)

Approved for use through 10-31-2002 OMB 0651-0031

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Substitute for Form 1449-A-PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/609,019
Filing Date	June 26, 2003
First Name of Inventor	Cooper
Group or Unit	1646
Examiner Name	Not yet assigned
Attorney Docket Number	51687-0101 (51687-287015)

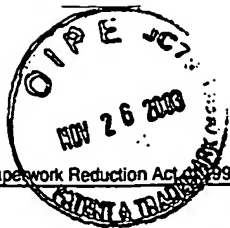
Sheet 1 of 7

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
P		4,870,009		Evans et al.	09-26-1989	
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Examiner Signature	Pete Pung	Date Considered	12/12/05
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.



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Sheet 2 of 7

FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
PP		WO	92/20316		University of Connecticut and Taretech Inc.	11-26-1992		
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		WO	01/73094		Bioagri Corporation	10-04-2001		
PA		WO	01/85965		Europaisches Laboratorium Fur Moleku-Larbiologie	11-15-2001		

Examiner Signature	<i>Pete Tanning</i>	Date Considered	12/12/05
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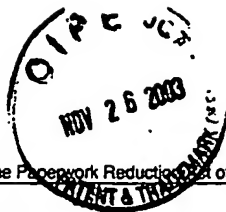
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PA		Afanassieff, M., <i>et al.</i> , "Intratesticular Inoculation of Avian Leukosis Virus (ALV) in Chickens - Production of Neutralizing Antibodies and Lack of Virus Shedding into Semen", <i>Avian Diseases</i> , Vol. 40, pp. 841-852 (1996)	
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Sheet 5	of 7		

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS			
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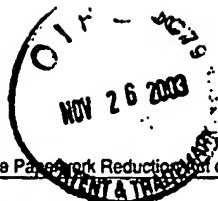
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PP		Bolli, G.B., et al., "Insulin Analogues and Their Potential in the Management of Diabetes Mellitus", <i>Diabetologia</i> , Vol. 42, pp. 1151-1167 (1999)	
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	2	4,914,025		Manoil et al.	04/03/1990	
	3	5,102,797		Tucker et al.	04/07/1992	
	4	5,212,080		Nag et al.	05/18/1993	
	5	5,556,782		Cooper et al.	09/17/1996	
	6	5,645,991		Berg et al.	07/08/1997	
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	15	6,107,477		Whitney et al.	08/22/2000	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Sheet

2

of

6

Complete if Known

Application No.

10/609,019

Filing Date

06-26-2003

First Named Inventor

Cooper

Group Art Unit

1646

Examiner Name

Not Yet Assigned

Attorney Docket Number

51687-0101 (51687-287015)

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number ²	Kind Code ³ (if known)			
PT	25	6,515,199		Petitte et al.	02/04/2003	
	26	6,528,699		Meade et al.	03/04/2003	
	27	6,563,017		Muramatsu et al.	05/13/2003	
	28	2002/0007051		Cheo et al.	01/17/2002	
	29	2002/0028513		Fogarty et al.	03/07/2002	
	30	2002/0042137		Richards et al.	04/11/2002	
	31	2002/0052047		Hasebe et al.	05/02/2002	
	32	2002/0055172		Harrington	05/09/2002	
	33	2002/0119573		Shaw et al.	08/29/2002	
	34	2002/0132349		Goryshin et al.	09/19/2002	
	35	2002/0148000		Shen	10/10/2002	
	36	2002/0150577		Lee et al.	10/17/2002	
	37	2002/0151034		Zhang et al.	10/17/2002	
	38	2002/0157125		Lee et al.	10/24/2002	
	39	2002/0160507		Novy et al.	10/31/2002	
	40	2002/0188105		Craig et al.	12/12/2002	
	41	2002/0199214		Rapp	12/26/2002	
	42	2003/0009026		Hasebe et al.	01/09/2003	
	43	2003/0055017		Schwarz et al.	03/20/2003	
	44	2003/0056241		Matsuda et al.	03/20/2003	
	45	2003/0061629		Sutrave	03/27/2003	
	46	2003/0074680		Lee et al.	04/17/2003	
	47	2003/0074681		Macarthur	04/17/2003	
PT	48	2003/0101472		Baltimore et al.	05/29/2003	

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				Application No.	10/609,019	
				Filing Date	06-26-2003	
				First Named Inventor	Cooper	
				Group Art Unit	1646	
				Examiner Name	Not Yet Assigned	
Sheet	3	of	6	Attorney Docket Number	51687-0101 (51687-287015)	
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		Number ²	Kind Code ³ (if known)			
JP	49	2003/0115622		Ponce de Leon et al.	06/19/2003	
	50	2003/0126628		Harvey et al.	07/03/2003	
	51	2003/0126629		Rapp et al.	07/03/2003	
	52	2003/0140363		Rapp	07/24/2003	
	53	2003/0150006		Petitte et al.	08/07/2003	
	54	2003/0154502		Wimmer et al.	08/14/2003	
	55	2003/0167492		Lee et al.	09/04/2003	
	56	2003/0170888		Van de Lavoie et al.	09/11/2003	
	57	2003/0172387		Zhu et al.	09/11/2003	
	58	2003/0177516		Horseman et al.	09/18/2003	
	59	2003/0182672		Graham et al.	09/25/2003	
	60	2003/0182675		Etches et al.	09/25/2003	
	61	2003/0217375		Zcharia et al.	11/20/2003	
	62	2003/0221206		Schatten et al.	11/27/2003	
JP	63	2004/0019922		Ivarie et al.	01/09/2004	

Examiner Signature	<i>Pete Pavao</i>	Date Considered	12/12/05
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
PP	64	EP	1,375,654		GTC Biotherapeutics, Inc.	01/02/2004		
	65	WO	03/024199		Avigenics, Inc.	03/27/2003		
	66	WO	03/025146		Avigenics, Inc.	03/27/2003		
PP	67	WO	03/064627		Origen Therapeutics	08/07/2003		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
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PP	68	Author: CIAMPI, M.S. et al. Title: Transposon Tn10 Provides a Promoter for transcription of adjacent sequences Publ: Proc Natl Acad Sci USA Vol/Iss: 79(16) Pages: 5016-5020 Date: 08-01-1982			
	69	Author: DAVIS, M.A. et al. Title: Tn10 Protects Itself at two levels from fortuitous activation by external promoters Publ: Cell Vol/Iss: 43(1) Pages: 379-387 Date: 11-11-1985			
	70	Author: ETCHES et al. Title: Gene Transfer: Overcoming the Avian Problems (Abstract Provided) Publ: Proceedings, 5th World Congress, University of Guelph Vol/Iss: Vol. 20 Pages: 97-101 Date: 08-01-1994			
	71	Author: FONG, K.P. et al. Title: The genes for benzene catabolism in Pseudomonas putida ML2 are flanked by two copies of the insertion element IS1489, forming a class-I-type catabolic transposon, Tn5542 Publ: Plasmid Vol/Iss: 43(2) Pages: 103-110 Date: 03-01-2000			
	72	Author: HERMANN et al. Title: Lipoprotein Receptors in Extraembryonic Tissues of the Chicken Publ: J. Biol. Chem. Vol/Iss: Vol. 275 No. 22 Pages: 16837-16844 Date: 06-02-2000			
	73	Author: KLECKNER, N. et al. Title: Transposon Tn10: genetic organization, regulation and insertion specificity Publ: Fed Proc Vol/Iss: 41(10) Pages: 2649-2652 Date: 08-01-1982			
PP	74	Author: PRUDHOMME, M. et al. Title: Diversity of Tn4001 transposition products: the flanking IS256 elements can form tandem dimers and IS circles Publ: J Bacteriol Vol/Iss: 184(2) Pages: 433-443 Date: 01-01-2002			

Examiner Signature	<i>Peter P. [Signature]</i>	Date Considered	12/12/05
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PP	75	Author: SAKAI, J. et al. Title: Two classes of Tn10 transposase mutants that suppress mutations in the Tn10 terminal inverted repeat Publ: Genetics Vol/Iss: 144(3) Pages: 861-870 Date: 11-01-1996			
	76	Author: SASAKAWA, C. et al. Title: Control of transposon Tn5 transposition in Escherichia coli Publ: Prod Natl Acad Sci USA Vol/Iss: 79(23) Pages: 7450-7454 Date: 12-01-1982			
	77	Author: SEKINE, Y. et al. Title: Identification of the site of translational frameshifting required for production of the transposase encoded by insertion sequence IS 1 Publ: Mol Gen Genet Vol/Iss: 235(2-3) Pages: 317-324 Date: 11-01-1992			
	78	Author: SEKINE, Y. et al. Title: DNA Sequences required for translational frameshifting in production of the transposase encoded by IS1 Publ: Mol Gen Genet Vol/Iss: 235(2-3) Pages: 325-332 Date: 11-01-1992			
	79	Author: SIMONS, R.W. et al. Title: Translational Control of IS10 transposition Publ: Cell Vol/Iss: 34(2) Pages: 683-691 Date: 09-01-1983			
PP	80	Author: WANG, A. et al. Title: Activation of silent genes by transposons Tn5 and Tn10. Publ: Genetics Vol/Iss: 120(4) Pages: 875-885 Date: 12-01-1988			

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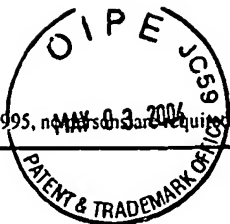
Substitute for Form 1449/A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known		
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				Group Art Unit	1646	
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		Number ²	Kind Code ³ (if known)			
PP	1	6,218,185		Shirk et al.	04/17/2001	

Examiner Signature	<i>Pete Ruan</i>	Date Considered	12/12/05
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
PA	2	WO	99/09817		Biotechnology and Biological Sciences Research Council	03/04/1999		
PA	3	WO	01/14537		The United States of America as Represented by The Secretary of Agriculture	03/01/2001		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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PP	4	Author: KOZAK, M. Title: At Least Six Nucleotides Preceding the AUG Initiator Codon Enhance Translation in Mammalian Cells Publ: J. Mol. Biol. Vol/Iss: 196 Pages: 947-950 Date: 1987	
PP	5	Author: SCHNEIDER et al. Title: An Epitope Tagged Mammalian / Prokaryotic Expression Vector with Positive Selection of Cloned Inserts Publ: Gene: An International Journal on Genes and Genomes Vol/Iss: 197 Pages: 337-341 Date: 1997	

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PP	1	2002/0108132		Rapp	08/08/2002	

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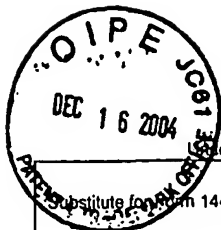
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		Office ³	Number ⁴ (if known)					
<i>JP</i>	2	WO	94/20608	Creighton University Office of Technology Transfer	09/15/0994			
	3	WO	99/19472	University of Georgia Research Foundation, Inc.	04/22/1999			
	4	WO	00/56932	The University of Georgia Research Foundation, Inc.	09/28/2000			
<i>JP</i>	5	WO	02/063293	Avigenics, Inc.	08/15/2002			

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P	1	6,759,573	B2	Olhofs et al.	07/06/2004	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
P	2	WO	01/71019	A1	Savakis et al.	09/27/2001		

OTHER INFORMATION - NON PATENT LITERATURE DOCUMENTS

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P	3	ABDEL-SALAM <i>et al.</i> ; "Expression of Mouse Anticreatine Kinase (MAK33) Monoclonal Antibody in the Yeast <i>Hansenula Polymorpha</i> "; <i>Appl Microbiol Biotechnol</i> ; 2001, Vol. 56, pp. 157-164.	
	4	ANDRA <i>et al.</i> ; "Generation and Characterization of Transgenic Mice Expressing Cobra Venom Factor"; <i>Molecular Immunology</i> ; 2002, Vol. 39, pp. 357-365.	
	5	EGGLESTON <i>et al.</i> ; "A Sensitive and Rapid Assay for Homologous Recombination in Mosquito Cells: Impact of Vector Topology and Implications for Gene Targeting"; <i>BMC Genetics</i> ; December 17, 2001, Vol. 2, No. 21, http://www.biomedcentral.com/1471-2156_online_pp_1-9 .	
	6	HORN <i>et al.</i> ; "A Versatile Vector Set for Animal Transgenesis"; <i>Development Genes and Evolution</i> ; 2000, Vol. 210, No. 12, pp. 630-637.	
	7	HOUEBINE, L.M.; "Transgenic Animal Bioreactors"; <i>Transgenic Research</i> ; October 2000, Vol. 9, No. 4-5, pp. 305-320.	
	8	IVARIE <i>et al.</i> ; "Avian Transgenesis: Progress Towards the Promise"; <i>TRENDS in Biotech</i> ; January 2003, Vol. 21, No. 1, pp. 14-19.	
	9	KANDA, MASATOSHI <i>et al.</i> ; "Genetic Fusion of an α -Subunit Gene to the Follicle-Stimulating Hormone and Chorionic Gonadotropin- β Subunit Genes: Production of a Bifunctional Protein"; <i>Molecular Endocrinology</i> ; November 1999, Vol. 13, No. 11, pp. 1873-1881.	
	10	MOHAMMED <i>et al.</i> ; "Deposition of Genetically Engineered Human Antibodies into the Egg Yolk of Hens"; <i>Immunotechnology</i> ; 1998, Vol. 4, pp. 115-125.	
P	11	SLOWINSKI <i>et al.</i> ; "Pattern of Prepro-Endothelin-1 Expression Revealed by Reporter-Gene Activity in Kidneys of Erythropoietin-Overexpressing Mice"; <i>Clinical Science</i> ; 2002, Vol 103, Suppl 48, pp. 445-475.	

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				Group Art Unit	1632		
				Examiner Name	Michael C. Wilson		
Sheet	1	of	2	Attorney Docket Number	51687-0101 (287015)		
U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number ²	Kind Code ³ (if known)				
PP	1	2003/0017534		Buelow et al.	01/23/2003		
	2	2003/0121062		Radcliffe et al.	06/26/2003		
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PP	8	6,730,822		Ivarie et al.	05/04/2004		

Examiner Signature	<i>Pete Jones</i>	Date Considered	12/12/05
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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				Application No.		10/609,019	
				Filing Date		06/26/2003	
				First Named Inventor		Cooper	
				Group Art Unit		1632	
				Examiner Name		Michael C. Wilson	
Sheet 2 of 2				Attorney Docket Number		51687-0101 (287015)	
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴				
PA	9	WO	2000/11151		University of Georgia Research Foundation, Inc.	03/02/2000	
	10	WO	2003/014344		Viragen Incorporated	02/20/2003	
	11	WO	2003/048364		Avigenics, Inc.	06/12/2003	
	12	WO	2004/047531		Viragen Incorporated Oxford Biomedica PLC	06/10/2004	
PA	13	WO	2004/110143		IO-Genetics, Inc.	12/23/2004	

Examiner Signature	<i>Pete Parviz</i>	Date Considered	12/12/05
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent document, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.